WHAT IS CLAIMED IS:

1	1. A disk drive comprising a rotating magnetic media having tracks identified by
2	binary codewords, wherein each track codeword for a particular track within a contiguous band
3	of tracks differs from a track codeword for an adjacent track within the contiguous band of tracks
4	by a defined number N of bits, and differs from a track codeword for a nonadjacent track within
5	the contiguous band of tracks by at least the defined number N of bits, wherein the defined
5	number N of bits is greater than four such that at least two bit errors can be corrected when
7	reading a track codeword.

- 2. A disk drive as defined in claim 1, wherein each track codeword comprises 23 bits and the defined number N of bits is 7 bits.
- 3. A disk drive as defined in claim 1, wherein each track codeword comprises 15 bits and the defined number N of bits is 5 bits.
- 4. A disk drive as defined in claim 1, wherein the contiguous band of tracks comprises between about 128 and 32,768 tracks.
- 5. A disk drive as defined in claim 1, wherein the contiguous band of tracks comprises about 2048 tracks.
- 6. A method for identifying tracks on a rotating magnetic media of a disk drive, comprising assigning each track within a contiguous bank of tracks with a unique binary codeword such that each track codeword for a particular track within the contiguous band of tracks differs from a track codeword for an adjacent track within the contiguous band of tracks by a defined number N of bits, and differs from a track codeword for a nonadjacent track within the contiguous band of tracks by at least the defined number N of bits, wherein the defined number N of bits is greater than four such that at least two bit errors can be corrected when reading a track codeword.
- 7. A method for identifying tracks as defined in claim 6, wherein each track codeword comprises 23 bits and the defined number N of bits is 7 bits.

- 3 8. A method for identifying tracks as defined in claim 6, wherein each track
- 4 codeword comprises 15 bits and the defined number N of bits is 5 bits.
- 5 9. A method for identifying tracks as defined in claim 6, wherein the contiguous
- 6 band of tracks comprises between about 128 and 32,768 tracks.
- 7 10. A method for identifying tracks as defined in claim 6, wherein the contiguous
- 8 band of tracks comprises about 2048 tracks.